










# PROCESS FOR PRODUCING WEAKLY AGGLOMERATED NANOSCALAR PARTICLES

**Patent number:** WO9634829  
**Publication date:** 1996-11-07  
**Inventor:** BURGARD DETLEF (DE); NASS RUEDIGER (DE); SCHMIDT HELMUT (DE)  
**Applicant:** INST NEUE MAT GEMEIN GMBH (DE); BURGARD DETLEF (DE); NASS RUEDIGER (DE); SCHMIDT HELMUT (DE)  
**Classification:**  
- International: **B01J2/00; C04B35/626; B01J2/00; C04B35/626;** (IPC1-7): C01G1/00; C01B13/14; C01F7/02; C01G25/02  
- european: B01J2/00; C04B35/626  
**Application number:** WO1996EP01756 19960426  
**Priority number(s):** DE19951015820 19950429

## Also published as:

 EP0823885 (A1)  
 US5935275 (A1)  
 DE19515820 (A1)  
 EP0823885 (B1)

## Cited documents:

 WO9321127  
 EP0253552  
 GB2168334  
 XP000442436  
 XP000218029

[Report a data error here](#)

## Abstract of WO9634829

A process for producing weakly agglomerated, compacted and/or crystallised nanoscalar particles is characterised in that either (a) a suspension containing amorphous or partially crystalline, nanoscalar particles is prepared in the usual way from precursors of the nanoscalar particles in a solvent that is unable or hardly able to dissolve the particles and in the presence of at least one surface-blocking substance, or (a) an already prepared powder of amorphous or partially crystalline nanoscalar particles is suspended in the solvent described in (a) in the presence of the surface-blocking substance described in (a), or (c) a sol containing amorphous or partially crystalline nanoscalar particles is suspended in the solvent described in (a) in the presence of the surface-blocking substance described in (a). The thus produced suspension is then processed in conditions that cause the nanoscalar particles to be compacted and/or to crystallise.

Data supplied from the **esp@cenet** database - Worldwide